

Tempest Telecom Solutions

AIRSYS FCB Troubleshooting Alarms

Code	Signal	Description	Possible cause	Components to check	Recommend actions	Device Actions		
						Fan	Damper	HVAC
A01	Dirty air filter1	Alarm sounds, after deal with the problem, it can reset automatically.	Filter clogging.	Check if the filter is dirty.	Clean filter and after clean 2times, replace filter			
			Corresponding input digital (DI2) is disconnected or controller board broken	Check if the DI2 is disconnected or loose, review the DI2 status through L04 replay.	Re-connect the DI2 or replace controller board			
			Air pressure switch setting value is too low	Check the air pressure switch setting value (default:250)	Adjust the alarm value to standard value.			
A03	Smoke/fire alarm	Free cooling function stop, HVAC stop, alarm sounds. It can reset automatically.	The fire alarm is generated	Check if the fire alarm is generated	Replace fire alarm equipment	Off	Off	Off
			Corresponding input digital (DI4) is disconnected or controller board broken	Check if the DI4 is disconnected or loose, review the DI4 status through L04 replay.	Re-connect the DI4 or replace controller board			
A04	Fan 1 overload	Alarm sounds, it can reset automatically. If the A05 start at the same time, Free cooling stop, HVAC start to work.	Fan 1 is blocked or fan broken	Check if the fan speed can work normally.	Remove the blocked object or replace the fan			
			Corresponding input digital (DI5) is disconnected or controller board broken	Check if the DI5 is disconnected or loose, review the DI5 status through L04 replay.	Re-connect the DI5 or replace controller board.			
A05	Fan 2 overload	Alarm sounds, it can reset automatically. If the A04 start at the same time, Free cooling stop, HVAC start to work	Fan 2 blocked or fan broken	Check if the fan speed can work normally	Remove the blocked object or replace the fan			
			Corresponding input digital (DI6) is disconnected or controller board broken	Check if the DI6 is disconnected or loose, review the DI6 status through L04 replay.	Re-connect the DI6 or replace controller board.			

Code	Signal	Description	Possible cause	Components to check	Recommend actions	Device Actions		
						Fan	Damper	HVAC
A06	High temp. (HT) alarm	Alarm sounds, it can reset automatically.	FCB broken, if HVAC installed, HVAC broken.	Check if FCB broken or filter clogged; Check if HVAC work broken.	Remedy FCB; Remedy HVAC.			
			The alarm setting value unreasonable	Check the HT alarm value L01-U15	Change the value to reasonable value.			
A07	Low temp. (LT) alarm	Alarm sounds, it can reset automatically.	Leak	Check if there are some leaks between wall and FCB	Seal the leaks			
			The alarm setting value unreasonable	Check the HT alarm value L01-U16	Change the value to reasonable value.			
A08	Indoor temperature defective	Free cooling function stop, HVAC start to work. It can reset automatically.	Indoor temp. sensor (B1) broken	Check if the sensor is shorted or broken	Replace the sensor	Off	Off	ON
A09	Humidity sensor defective	Free cooling function stop, HVAC start to work. It can reset automatically.	Ambient Humidity. sensor (B2) broken	Check if the sensor is shorted or broken	Replace the sensor	Off	Off	ON
A10	Outdoor temperature sensor defective	Free cooling function stop, HVAC start to work. It can reset automatically.	Ambient temp. sensor (B3) broken	Check if the sensor is shorted or broken	Replace the sensor	Off	Off	ON
A11	Supply air temperature sensor defective	Alarm sounds, it can reset automatically.	Supply air temp. sensor (B3) broken	Check if the sensor is shorted or broken	Replace the sensor			
A16	Air damper defective	Alarm sounds, it can reset automatically.	Air valve hindered	Check if the valve can work normally	Remove the hindered object			
			Air damper actuator broken	Check if the damper can work normally	Replace the air damper actuator			